

ABSTRAK

ANI YULI ASTUTI: Perbandingan Model Pembelajaran Berbasis Proyek Dengan Model Pembelajaran Berbasis Masalah Ditinjau Dari Kemampuan Pemecahan Masalah Siswa Di Kelas VII Smp N 2 Nanggulan. **Skripsi. Yogyakarta: Pendidikan Matematika, Universitas Mercu Buana Yogyakarta, 2019.**

Penelitian ini bertujuan untuk: (1) mendeskripsikan keefektifan Model Pembelajaran Berbasis Proyek ditinjau dari kemampuan pemecahan masalah siswa kelas VII; (2) mendeskripsikan keefektifan Model Pembelajaran Berbasis Masalah ditinjau dari kemampuan pemecahan masalah siswa kelas VII (3) menyelidiki manakah yang lebih efektif antara pembelajaran menggunakan Model Pembelajaran Berbasis Proyek dengan Model Pembelajaran Berbasis Masalah ditinjau dari kemampuan pemecahan masalah siswa kelas VII.

Penelitian ini adalah penelitian eksperimen semu dengan *pretest posttest nonequivalent control group design*. Penelitian ini menggunakan dua kelompok eksperimen. Populasi penelitian mencakup seluruh siswa kelas VII SMP Negeri 2 Nanggulan yang terdiri dari tiga kelas. Dari populasi yang ada diambil secara acak dua kelas yaitu VII B dan VII C sebagai sampel penelitian. Pembelajaran matematika pada kelas VII B menggunakan model pembelajaran berbasis masalah dan kelas VII C model pembelajaran berbasis proyek. Instrumen yang digunakan adalah tes kemampuan pemecahan masalah matematika atas *pre-test* dan *post-test*. Uji efektifitas model pembelajaran berbasis proyek dan model pembelajaran berbasis masalah menggunakan uji *one sample t-test*, sedangkan uji perbandingan efektifitas menggunakan *oneway ANOVA* dan uji *Independent sample t-test* berbantuan SPSS *version 23 for windows* dengan taraf signifikansi 5%.

Hasil penelitian menunjukkan bahwa: (1) Model pembelajaran berbasis proyek tidak efektif ditinjau dari kemampuan pemecahan masalah matematika SMP kelas VII; (2) Model pembelajaran berbasis masalah efektif ditinjau dari kemampuan pemecahan masalah matematika SMP kelas VII; (3) Tidak ada perbedaan yang signifikan antara model pembelajaran berbasis masalah dan model pembelajaran berbasis proyek ditinjau dari kemampuan pemecahan masalah matematika SMP kelas VII.

Kata Kunci: pembelajaran berbasis proyek, pembelajaran berbasis masalah, pemecahan masalah

ABSTRACT

ANI YULI ASTUTI: *A Comparative of Project Based learning and Problem Based Learning in terms of problem-solving abilities students on the 7th grade public junior high school 2 Nanggulan. Thesis. Yogyakarta. Mathematics Education, Mercu Buana University Of Yogyakarta, 2019.*

This research aims to: (1) describe the effectiveness of project based learning in terms of problem solving skills of students on the 7th grade; (2) describe the effectiveness of problem based learning in terms of problem solving skills of students on the 7th grade; (3) investigate in more effective between project based learning and problem based learning in terms of problem solving skills of students on the 7th grade.

The research is a quasi experimental research with pre-test and post-test of non-equivalent control group design. This study used two experimental groups. The population include all 7th grade students of SMP N 2 Nanggulan which consist of three classes. From the population, The two classes which were class VII B and class VII C is randomly as research sample. Mathematics teaching in class VII B used the problem based learning and class VII C used the project based learning. The instrument were a problem-solving test in pretest and posttest. The one sample t-test was used for testing the effectiveness of project based learning and problem based learning, oneway ANOVA and the independent sample t-test was used for testing the comparative using SPSS version 23 for windows at the significance level of 5%.

The result show that: (1) project based learning is not effective in terms of problem solving skills of students on the 7th grade; (2) problem based learning is effective in terms of problem solving skills of students on the 7th grade; (3) project based learning and problem based learning has no significant difference effective in terms of problem solving skills of students on the 7th grade.

Keywords: *project based learning, problem based learning, problem-solving*